



# CEM241-F

## Water and Weather Resistance Fine Exterior Finish

### PRODUCT DESCRIPTION

CEM241-F is a one-component polymer modified cementitious fine finish consisting of polymers, and other additives suitable for exterior final finish prior to paint work. CEM241-F can be applied up to 3 mm in thickness.

### FIELDS OF APPLICATION

CEM241-F is designed for the durable finish, pinhole filling and re-profiling of in-situ and pre-cast concrete in civil engineering structures such as:

- Facades, columns and beams
- Bridges, towers and tunnels
- Plastered surfaces.

CEM241-F prevents damages from water penetration to concrete, acid rain, and freeze-thaw cycles.

### PRODUCT FEATURES

- Moderate flexibility to fill cracks in the substrate.
- Protective and chemical resistance floor topping.
- Water resistance topping and low permeability.

### PACKAGING

Product	Packaging
CEM241-F	50 LB (22.68 Kg) BAG

### TECHNICAL DATA

Color: CEM241-F is available in two standard colors and requires only addition of water.

Property	Value	Standard
Pot Life at 77°F (25°C)	1 hour	N/A
Initial Setting Time @ 70°F 21°C, hour	3.3	ASTM C-191
Final Setting Time @ 70°F (21°C), hour	> 4	ASTM C-191
Bond Strength, psi (MPa)	194 (1.34)	ASTM D-4541 Method A
Mixed Density, Lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	113.62 (1820)	

**Coverage:** 50 Lb (22.68 kg) bag covers approximately 4.88 m<sup>2</sup> area at 3 mm thickness.

### APPLICATION DATA

**Mixing:** mixing ratio is 1.92 Gallons (7.26 Liters) of clean Potable water to 50 Lb (22.68 kg) CEM 241-F Bag.

For a better consistency, CEM241-F should be mixed by a mechanical mixer. In case of hand mixing do not mix quantities greater than 3 kg at one time. For mechanical mixing, slow speed

mini mixer (approximately 400 rpm) or drill fitted with paddle can be utilized.

Pour approximately 1/2 of the measured water needed into the mixer then add CEM241-F slowly while mixing. After 3-4 minutes add the remaining water and mix until the mixture has the required lump free consistency.

**Limitations:** Surface and application temperature should be more than 41°F (5°C). Apply only to thoroughly clean, sound substrate. Surface should be saturated with water prior to the application.

**Curing:** In hot weather conditions, the finished coat of CEM241-F should be cured by spraying water after 8 hours of application for 3 days.

### CLEANING

Tools, equipment, etc. can be cleaned immediately using clean water.

### STORAGE

CEM241-F has a shelf life of minimum 12 months when stored in cool and dry conditions in unopened bags. Don't store in direct sunlight.

### TECHNICAL ASSISTANCE

Please contact International Chem-Crete Corporation for Technical Personnel.

### WARRANTY

**LIMITED WARRANTY:** International Chem-Crete Inc. warrants that, at the time and place we make shipment, our materials will be of good quality and will conform to our published specifications in force on the date of acceptance of the order.

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